STN- Structure Search 6/16/06

10/531,393

=> d his

(FILE 'HOME' ENTERED AT 09:26:41 ON 16 JUN 2006)

FILE 'REGISTRY' ENTERED AT 09:26:53 ON 16 JUN 2006
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L1 HAS NO ANSWERS
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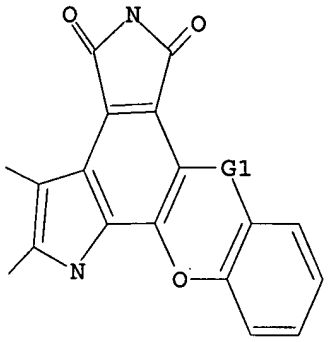

G1 C,O

Structure attributes must be viewed using STN Express query preparation.

Interrupted
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L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:329924 CAPLUS
DOCUMENT NUMBER: 140:339333
TITLE: Preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors
INVENTOR(S): Coudert, Gerard; Ayerbe, Nathalie; Lepifre, Franck; Routier, Sylvain; Caignard, Daniel Henri; Renard, Pierre; Hickman, John; Pierre, Alain; Leonce, Stephane
PATENT ASSIGNEE(S): Les Laboratoires Servier, Fr.
SOURCE: Fr. Demande, 82 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2845997	A1	20040423	FR 2002-12965	20021018
FR 2845997	B1	20041224		
CA 2502488	AA	20040506	CA 2003-2502488	20031017
WO 2004037831	A1	20040506	WO 2003-FR3069	20031017

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003301532	A1	20040513	AU 2003-301532		20031017
BR 2003014878	A	20050802	BR 2003-14878		20031017
EP 1587810	A1	20051026	EP 2003-809363		20031017
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 2006507280	T2	20060302	JP 2004-546098		20031017
US 2006040930	A1	20060223	US 2005-531393		20050414
NO 2005002330	A	20050512	NO 2005-2330		20050512
PRIORITY APPLN. INFO.:			FR 2002-12965	A	20021018
			WO 2003-FR3069	W	20031017

OTHER SOURCE(S): MARPAT 140:339333
GI

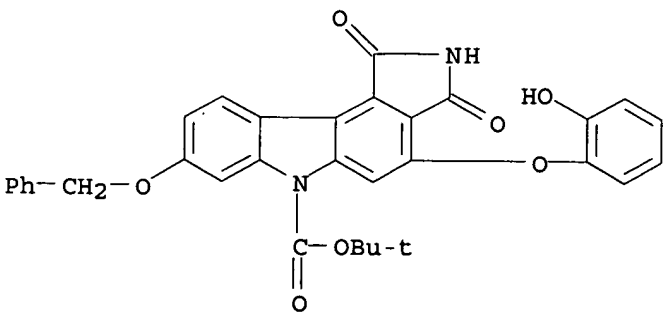
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I and II [wherein CWC = Ph, pyridinyl; Z = H, halo, aryl/alkyl, NO2, CN, OH and derivs., aryl, aryloxy, arylalkoxy, NH2 and derivs.; R4 = H, aryl, aryl/alkyl, COOR5; R5 = aryl, aryl/alkyl; Y = O, CH2; when R2 = H, R3 = H, aryl, aryl/alkyl, SO2CF3; or R2R3 = a bond; R1 = H, aryl, aryl/alkyl, (un)substituted alkylene; Z1, Z2 = independently H, or CZ1Z2C = Ph provided that when Z = H, R1 is not H; their enantiomers, diastereomers, N-oxides, and their salts of addition with a pharmaceutically acceptable acid or base] were prepared as antitumor agents. For example, III was prepared by coupling bromide IV (preparation given) with 2-trimethylstannyl-1,4-benzodioxine (preparation given), irradiation in the presence of I2/toluene, and deprotections. III displayed an IC50 in the range of 10 to 200 nM for inhibition of certain human cell proliferation. Title compds. are useful for treating leukemia and solid neoplasm.

IT **680993-28-6P**
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antitumor agent; preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors)

RN 680993-28-6 CAPLUS

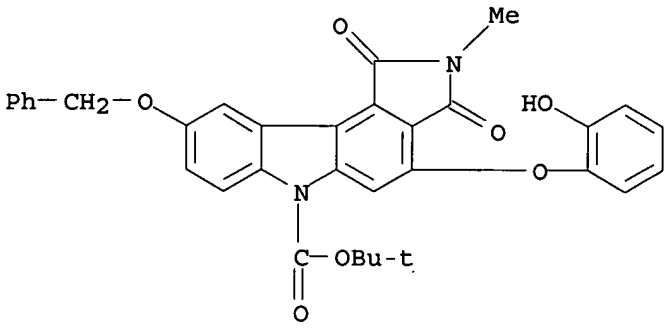
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-1,3-dioxo-8-(phenylmethoxy)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



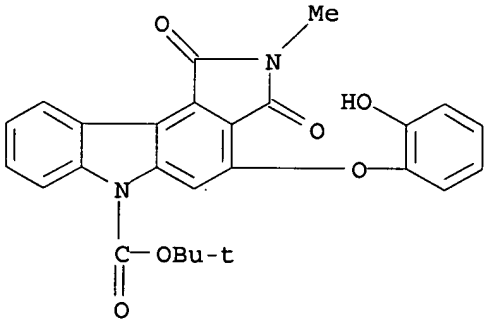
IT **680993-29-7P 680993-31-1P 680993-32-2P**
680993-35-5P 680993-37-7P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic

preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(antitumor agent; preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors)

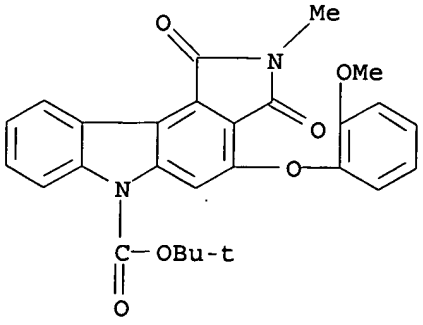
RN 680993-29-7 CAPLUS
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-2-methyl-1,3-dioxo-9-(phenylmethoxy)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



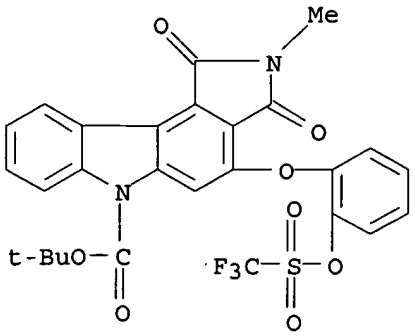
RN 680993-31-1 CAPLUS
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-2-methyl-1,3-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



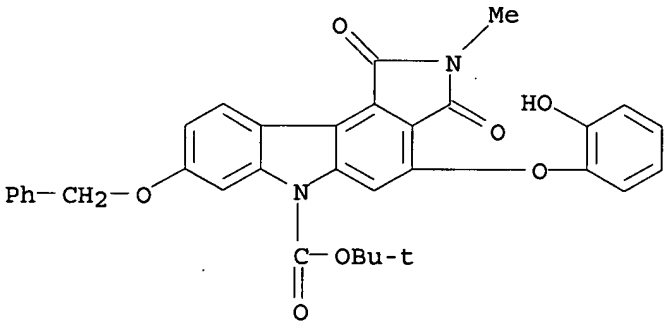
RN 680993-32-2 CAPLUS
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-methoxyphenoxy)-2-methyl-1,3-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 680993-35-5 CAPLUS
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-2-methyl-1,3-dioxo-4-[2-[[(trifluoromethyl)sulfonyl]oxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

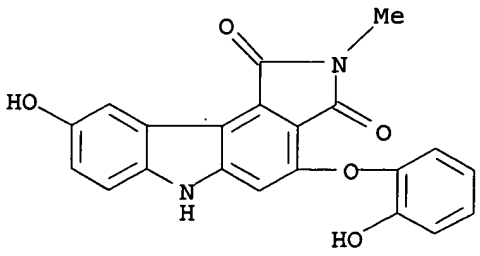


RN 680993-37-7 CAPLUS
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-2-methyl-1,3-dioxo-8-(phenylmethoxy)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

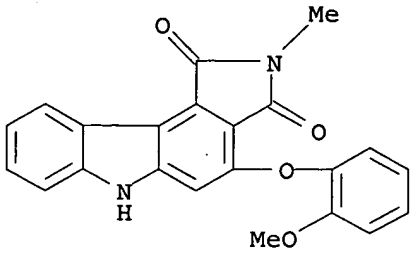


IT **680993-30-0P 680993-33-3P 680993-34-4P**
680993-36-6P 680993-38-8P 680993-39-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antitumor agent; preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors)

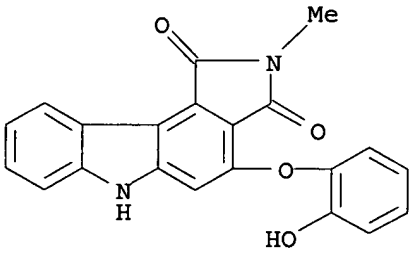
RN 680993-30-0 CAPLUS
CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 9-hydroxy-4-(2-hydroxyphenoxy)-2-methyl- (9CI) (CA INDEX NAME)



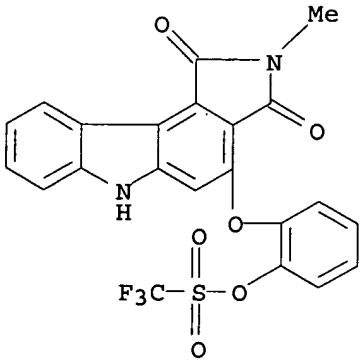
RN 680993-33-3 CAPLUS
CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 4-(2-methoxyphenoxy)-2-methyl-(9CI) (CA INDEX NAME)



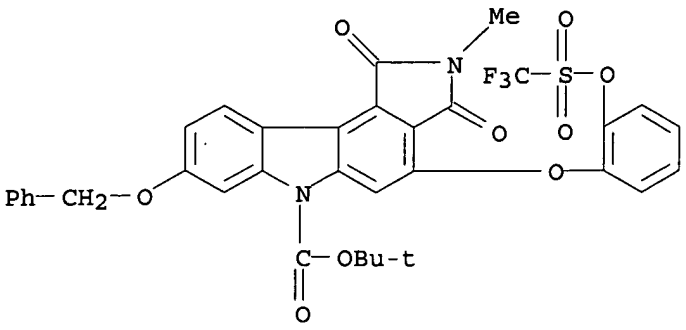
RN 680993-34-4 CAPLUS
CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 4-(2-hydroxyphenoxy)-2-methyl-(9CI) (CA INDEX NAME)



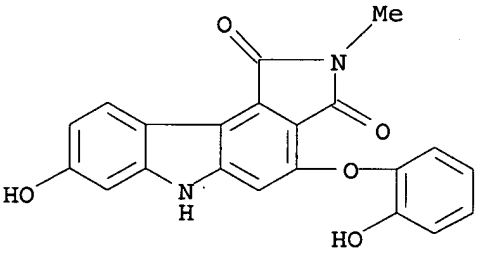
RN 680993-36-6 CAPLUS
CN Methanesulfonic acid, trifluoro-, 2-[(1,2,3,6-tetrahydro-2-methyl-1,3-dioxopyrrolo[3,4-c]carbazol-4-yl)oxy]phenyl ester (9CI) (CA INDEX NAME)



RN 680993-38-8 CAPLUS
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-2-methyl-1,3-dioxo-8-(phenylmethoxy)-4-[2-[[(trifluoromethyl)sulfonyl]oxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 680993-39-9 CAPLUS
CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 8-hydroxy-4-(2-hydroxyphenoxy)-2-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
RE
(1) Adir; EP 0841337 A 1998 CAPLUS
(2) Akama, T; WO 9809967 A 1998 CAPLUS
(3) Hudkins, R; US 5705511 A 1998 CAPLUS

=> d his

(FILE 'HOME' ENTERED AT 09:26:41 ON 16 JUN 2006)

FILE 'REGISTRY' ENTERED AT 09:26:53 ON 16 JUN 2006
L1 STRUCTURE UPLOADED
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L3 0 S L1 FULL
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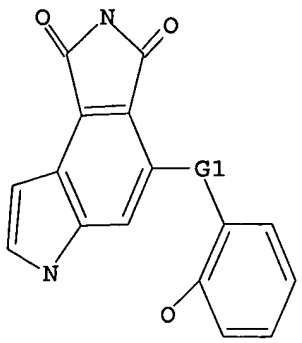

G1 C,O

Structure attributes must be viewed using STN Express query preparation.

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